

(10) ABSTRACT OF THE DISCLOSURE

The present invention provides a printer and media solution that is conducive to briefcase-compatible compactness, battery operation, and media reuse. The printer consists of a low power, electrode array that images the surface of a paper-like, rewritable sheet. The sheet is responsive to pixel-sized electric fields produced by each electrode, resulting in a pixel array that is imaged in response to field polarity. The sheet is coated with a rewritable colorant that is a highly energy efficient, bistable, bi-modal molecular layer, requiring energy only to change an image, not to hold or illuminate it.